Sibley County, Minnesota

[Data apply to the entire extent of the map unit within the survey area. Map unit and soil properties for a specific parcel of land may vary somewhat and should be determined by onsite investigation]

## 5B--Dakota loam, 1 to 6 percent slopes

#### **Dakota**

Extent: 90 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): hills on stream terraces Wind erodibility group (WEG): 6

Slope gradient: 1 to 6 percent Wind erodibility index (WEI): 48

Parent material: fine-loamy alluvium over sandy outwash

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	capacity	рН
Ap 0	) to 10 in	loam	moderate	1.97 to 2.17 in	5.1 to 7.3
Bt 10	) to 23 in	sandy clay loam	moderate	1.95 to 2.47 in	5.1 to 7.3
2Bt 23	3 to 35 in	gravelly coarse sandy loam	moderately rapid	0.24 to 1.71 in	5.1 to 7.3
2C 35	5 to 60 in	gravelly sand	rapid	0.50 to 2.48 in	5.1 to 7.8

#### **Terril**

Extent: 7 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

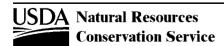
Representative soil profile:

Texture

Permeability

Available water capacity

pH



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Sibley County, Minnesota

# 5B--Dakota loam, 1 to 6 percent slopes

## **Biscay**

Extent: 3 percent of the unit

Landform(s): depressions

Slope gradient:
Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):
Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: yes Hydrologic group:

Potential for frost action:

Representative soil profile: Texture Permeability Available water capacity

рΗ

Sibley County, Minnesota

## 27B--Dickinson loam, 2 to 6 percent slopes

#### **Dickinson**

Extent: 90 percent of the unit

Landform(s): hills on stream terraces

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 5

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 56

Parent material: sandy outwash

Restrictive feature(s): greater than 60 inches

Wind erodibility index (WEI): 56

Kw factor (surface layer) .37

Land capability, nonirrigated: 3e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	capacity	рН
Ap,A 0 to 10 in	loam	moderately rapid	1.18 to 1.48 in	5.6 to 7.3
Bw 10 to 40 in	fine sandy loam	moderately rapid	3.64 to 4.55 in	5.1 to 6.5
C1 40 to 51 in	fine sand	rapid	0.88 to 1.10 in	5.1 to 6.5
C2 51 to 60 in	fine sand	rapid	0.17 to 0.35 in	5.6 to 7.3

#### Lester

Extent: 10 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:
Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH



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Sibley County, Minnesota

## 35--Blue Earth mucky silt loam

#### **Blue Earth**

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): lakebeds (relict) on moraines Wind erodibility group (WEG): 4L

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 86

Parent material: silty coprogenic material

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:

Cg - 0 to 60 in mucky silt loam moderate | Permeability | Available water capacity | pH |

Texture | Permeability | Available water capacity | pH |

Texture | Permeability | Available water capacity | pH |

Texture | Permeability | Available water capacity | pH |

Texture | Permeability | Available water capacity | pH |

Texture | Permeability | PH |

Texture |

#### Canisteo

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 35--Blue Earth mucky silt loam

## Harps

Extent: 5 percent of the unit

Landform(s): rims Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):
Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: yes Hydrologic group:

Potential for frost action:

Representative soil profile: Texture

Permeability

Available water capacity

рΗ

Sibley County, Minnesota

### 86--Canisteo clay loam

#### Canisteo

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): rims on depressions on moraines, flats on Wind erodibility group (WEG): 4L

moraines

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: fine-loamy till

Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	pН
Ap,A 0 to 18 in	clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bg1 18 to 26 in	clay loam	moderate	1.18 to 1.50 in	7.4 to 8.4
Bg2 26 to 38 in	loam	moderate	1.42 to 2.13 in	7.4 to 8.4
C 38 to 60 in	loam	moderate	3.09 to 3.53 in	7.4 to 8.4

#### **Glencoe**

Extent: 5 percent of the unit

Landform(s): depressions

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

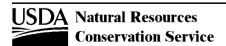
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Available water

Sibley County, Minnesota

### 86--Canisteo clay loam

## Crippen

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): rises

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

#### Klossner

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 94B--Terril loam, 2 to 6 percent slopes

#### **Terril**

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on moraines, hills on stream terraces Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent Wind erodibility index (WEI): 48

Parent material: fine-loamy till Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	capacity	рН
Ap,A 0 to 25 in	loam	moderate	5.04 to 5.54 in	6.1 to 7.3
Bw 25 to 47 in	loam	moderate	3.68 to 4.11 in	6.1 to 7.3
2C 47 to 60 in	sandy loam	moderate	2.08 to 2.34 in	6.1 to 7.8

#### **Delft**

Extent: 10 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

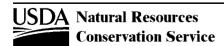
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Sibley County, Minnesota

### 102B--Clarion loam, 2 to 6 percent slopes

#### Clarion

Extent: 90 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 10 in	loam	moderate	1.97 to 2.17 in	5.6 to 7.3
Bw 10 to 32 in	loam	moderate	3.75 to 4.19 in	5.6 to 7.8
C 32 to 60 in	loam	moderate	4.75 to 5.31 in	7.4 to 8.4

#### Webster

Extent: 5 percent of the unit

Landform(s): drainageways

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: yes

Hydrologic group:

Representative soil profile:

Texture

Permeability

Available water capacity

PH



Drainage class:

Potential for frost action:

Sibley County, Minnesota

# 102B--Clarion loam, 2 to 6 percent slopes

#### **Nicollet**

Extent: 5 percent of the unit

Landform(s): moraines Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: no Hydrologic group:

Potential for frost action:

Texture Representative soil profile:

Permeability

Available water capacity

рΗ

Sibley County, Minnesota

### 106B--Lester loam, 2 to 6 percent slopes

#### Lester

Extent: 90 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil pro	ofile:	Texture	Permeability	capacity	рН
Ap 0 to 9 in	loam		moderate	1.81 to 1.99 in	5.6 to 7.3
Bt 9 to 41 i	in clay loam		moderate	4.78 to 6.06 in	5.6 to 7.3
C 41 to 60 i	n loam		moderate	2.65 to 3.40 in	7.4 to 7.8

#### Cordova

Extent: 5 percent of the unit

Landform(s): drainageways

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: yes

Ponding: Hydrologic group:
Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH



Sibley County, Minnesota

## 106B--Lester loam, 2 to 6 percent slopes

#### Le Sueur

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Sibley County, Minnesota

### 106C2--Lester loam, 6 to 12 percent slopes, eroded

#### Lester, eroded

Extent: 85 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	capacity	pН
Ap 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt 7 to 20 in	clay loam	moderate	1.95 to 2.47 in	5.1 to 7.3
C 20 to 60 in	loam	moderate	5.57 to 7.56 in	7.4 to 8.4

#### **Delft**

Extent: 5 percent of the unit

Landform(s): drainageways

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: yes

Ponding: Hydrologic group:
Drainage class: Potential for frost action:

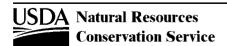
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Sibley County, Minnesota

## 106C2--Lester loam, 6 to 12 percent slopes, eroded

#### **Terril**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

#### Cordova

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 106C2--Lester loam, 6 to 12 percent slopes, eroded

#### Le Sueur

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:
Drainage class: Potential for frost action:



Sibley County, Minnesota

## 109--Cordova clay loam

#### Cordova

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines, flats on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profi	ile: Texture	Permeability	Available water capacity	рН
Ap,A 0 to 17 in	clay loam	moderately slow	3.05 to 3.72 in	6.1 to 7.3
Btg 17 to 30 in	clay loam	moderately slow	1.95 to 2.47 in	5.1 to 6.5
Ca 30 to 60 in	clav loam	moderate	4.19 to 4.79 in	7.4 to 8.4

#### **Glencoe**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

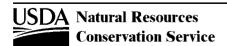
Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:
Drainage class: Potential for frost action:



Sibley County, Minnesota

# 109--Cordova clay loam

#### Le Sueur

Extent: 5 percent of the unit

Landform(s): rises Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: no Hydrologic group:

Potential for frost action:

Sibley County, Minnesota

# 110--Marna silty clay loam

#### Marna

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats on moraines, swales on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 48

Parent material: clayey lacustrine deposits over fine-loamy till Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap,A 0 to 21 in	silty clay loam	slow	3.76 to 4.59 in	6.1 to 7.3
Bg 21 to 32 in	silty clay	slow	1.43 to 1.76 in	6.1 to 7.3
Ca 32 to 60 in	clay loam	moderate	3 91 to 5 31 in	6.6 to 8.4

#### **Glencoe**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH



Sibley County, Minnesota

## 110--Marna silty clay loam

#### **Klossner**

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

#### **Nicollet**

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): risesWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding:Hydric soil: noPonding:Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 112--Harps clay loam

Ponding: none

#### Harps

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5 Landform(s): rims on depressions on moraines Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86 Parent material: fine-loamy till Kw factor (surface layer) .24 Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Hydrologic group: B/D

Flooding: none Hydric soil: yes

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 19 in	clay loam	moderate	3.59 to 3.97 in	7.9 to 8.4
Bg 19 to 31 in	clay loam	moderate	2.07 to 2.32 in	7.9 to 8.4
Ca 31 to 60 in	loam	moderate	4.02 to 5.46 in	7.4 to 8.4

#### Glencoe

Extent: 5 percent of the unit Soil loss tolerance (T factor): Landform(s): depressions Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI): Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes Ponding: Hydrologic group: Drainage class: Potential for frost action:

Available water **Texture** Permeability рΗ Representative soil profile: capacity



Sibley County, Minnesota

## 112--Harps clay loam

#### **Klossner**

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI): Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Available water Permeability рΗ **Texture** Representative soil profile: capacity

## Crippen

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Wind erodibility group (WEG): Landform(s): rises Wind erodibility index (WEI): Slope gradient: Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group: Drainage class: Potential for frost action:

Available water Permeability Texture рН Representative soil profile:



capacity

Sibley County, Minnesota

## 113--Webster clay loam

#### Webster

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines, flats on morainesWind erodibility group (WEG): 6Slope gradient: 0 to 2 percentWind erodibility index (WEI): 48Parent material: fine-loamy tillKw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap,A 0 to 17 in	clay loam	moderate	3.22 to 3.56 in	6.6 to 7.3
Bg 17 to 30 in	clay loam	moderate	2.08 to 2.34 in	6.6 to 7.8
Cg 30 to 60 in	loam	moderate	4.19 to 5.69 in	7.4 to 8.4

#### **Glencoe**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH



Sibley County, Minnesota

## 113--Webster clay loam

#### **Nicollet**

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): rises

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:
Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH

#### Clarion

Extent: 2 percent of the unit Soil loss tolerance (T factor):

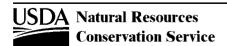
Landform(s): moraines Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 114--Glencoe clay loam

#### Glencoe

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on morainesWind erodibility group (WEG): 6Slope gradient: 0 to 1 percentWind erodibility index (WEI): 48Parent material: fine-loamy tillKw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w
Flooding: none

Hydric soil: yes

Ponding: frequent

Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 8 in	clay loam	moderate	1.42 to 1.73 in	6.1 to 7.8
A 8 to 32 in	clay loam	moderate	4.32 to 5.28 in	6.1 to 7.8
Bg 32 to 50 in	clay loam	moderate	2.72 to 3.44 in	6.6 to 7.8
Ca 50 to 60 in	loam	moderate	1.48 to 1.87 in	6.6 to 7.8

#### Canisteo

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): rimsWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:
Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH



Sibley County, Minnesota

### 114--Glencoe clay loam

### Harps

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

#### Klossner

Extent: 2 percent of the unit Soil loss tolerance (T factor):

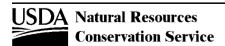
Landform(s): depressions Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 118--Crippin loam

### Crippin

Extent: 90 percent of the unit

Landform(s): rises on moraines

Wind erodibility group (WEG): 4L

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 86

Parent material: fine-loamy till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 1

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: high

Available water Permeability Representative soil profile: **Texture** На capacity Ap,A --0 to 15 in 2.99 to 3.29 in 6.6 to 8.4 loam moderate Bw -- 15 to 32 in loam moderate 2.88 to 3.22 in 7.4 to 8.4 C -- 32 to 60 in 4.75 to 5.31 in 7.9 to 8.4 moderate loam

#### Canisteo

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:
Drainage class: Potential for frost action:



Sibley County, Minnesota

## 118--Crippin loam

#### Clarion

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

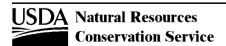
### Harps

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): rimsWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 130--Nicollet clay loam

#### **Nicollet**

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): rises Wind erodibility group (WEG): 6

Slope gradient: 1 to 3 percent Wind erodibility index (WEI): 48

Parent material: fine-loamy till Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 1

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 15 in	clay loam	moderate	2.54 to 3.29 in	5.6 to 7.3
Bw 15 to 31 in	clay loam	moderate	2.42 to 3.07 in	5.6 to 7.8
C 31 to 60 in	clay loam	moderate	4.02 to 5.46 in	7.4 to 8.4

#### Webster

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

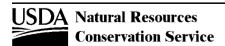
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

### 130--Nicollet clay loam

#### Clarion

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Parent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

#### Canisteo

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims

Wind erodibility group (WEG):

Slope gradient:

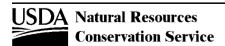
Wind erodibility index (WEI):

Wind erodibility index (WEI):

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:
Drainage class: Potential for frost action:



Sibley County, Minnesota

### 134--Okoboji silty clay loam

## Okoboji

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 4L

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 86

Parent material: fine-silty alluvium

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: C/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 12 in	silty clay loam	moderately slow	2.48 to 2.72 in	6.1 to 7.8
A 12 to 42 in	silty clay loam	moderately slow	5.46 to 6.06 in	6.6 to 7.8
Cg 42 to 60 in	silty clay loam	moderately slow	3.19 to 3.54 in	6.6 to 8.4

#### Canisteo

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): rimsWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:
Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH



Sibley County, Minnesota

## 134--Okoboji silty clay loam

### Harps

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

#### Klossner

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):

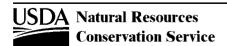
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

### 222B--Lasa loamy fine sand, 2 to 8 percent slopes

#### Lasa

Extent: 90 percent of the unit

Landform(s): hills on stream terraces

Wind erodibility group (WEG): 2

Slope gradient: 2 to 8 percent

Wind erodibility index (WEI): 134

Parent material: sandy outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Extensive feature(s): greater than 60 inches

Land capability, nonirrigated: 3s

Hydric soil: no

Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	capacity	pН
Ap	0 to 12 in	loamy fine sand	moderately rapid	1.18 to 1.42 in	5.6 to 7.3
Bw,Bt 1	12 to 40 in	fine sand	moderately rapid	1.98 to 2.55 in	6.1 to 7.3
C 4	10 to 60 in	stratified fine sand to loamy fine sand	rapid	1.18 to 1.57 in	6.1 to 7.3

#### Dakota

Extent: 10 percent of the unit

Landform(s): terraces

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Flooding:

Hydric soil: no

Hydrologic group:

Representative soil profile:

Texture

Permeability

Available water capacity pH



Drainage class:

I Amellahla matan I

Potential for frost action:

Sibley County, Minnesota

## 239--Le Sueur clay loam

#### Le Sueur

Extent: 90 percent of the unit

Landform(s): rises on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 1

Flooding: none Hydric soil: no

Ponding: none Hydrologic group: B/D

Drainage class: moderately well drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 11 in	clay loam	moderate	1.87 to 2.20 in	5.6 to 7.3
Bt 11 to 37 in	clay loam	moderate	3.90 to 4.94 in	5.1 to 7.3
C 37 to 60 in	clay loam	moderate	3.43 to 4.34 in	7.4 to 8.4

#### Cordova

Extent: 5 percent of the unit

Landform(s): drainageways

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Wind erodibility index (WEI):

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Flooding:

Land capability, nonirrigated:

Hydric soil: yes

Ponding: Hydrologic group:
Drainage class: Potential for frost action:

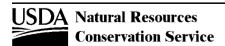
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Sibley County, Minnesota

### 239--Le Sueur clay loam

#### Rolfe

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions

Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

#### Canisteo

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): rimsWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

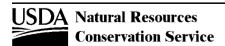
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Brain and least the free tree to a

Drainage class: Potential for frost action:



Sibley County, Minnesota

### 317--Oshawa silty clay loam, frequently flooded

### Oshawa, frequently flooded

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): meanders on flood plains, oxbows on flood plains Wind erodibility group (WEG): 4L Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 86

Slope gradient:0 to 1 percentWind erodibility index (WEI):86Parent material:silty alluviumKw factor (surface layer).32

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 6w

Flooding: frequent

Hydric soil: yes

Ponding: frequent

Hydrologic group: C/D

Drainage class: very poorly drained Potential for frost action: high

Representative s	oil profile:	Texture	Permeability	capacity	рН
A 0	to 16 in	silty clay loam	moderately slow	2.91 to 3.55 in	7.4 to 7.8
Cg 16	to 60 in	silty clay loam	moderately slow	7.43 to 8.30 in	7.4 to 7.8

#### Chaska

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): flood plains Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

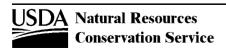
Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity pH



Sibley County, Minnesota

# 317--Oshawa silty clay loam, frequently flooded

#### Minneiska

Extent: 5 percent of the unit Landform(s): flood plains

Slope gradient: Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI): Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: no Hydrologic group:

Potential for frost action:

Representative soil profile: Texture

Permeability

Available water capacity

рΗ

Sibley County, Minnesota

## 329--Chaska loam, occasionally flooded

## Chaska, occasionally flooded

Extent: 90 percent of the unit

Landform(s): flats on flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: silty alluvium

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: occasional

Hydric soil: no

Ponding: none Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative soil profile:		Texture	Permeability	capacity	рН
Ap	0 to 9 in	loam	moderate	1.99 to 2.17 in	6.6 to 7.8
C1	9 to 30 in	very fine sandy loam	moderate	3.55 to 3.96 in	7.4 to 7.8
C2 3	0 to 60 in	stratified silt loam to silty clay loam	moderately rapid	2.09 to 4.79 in	7.4 to 8.4

### Minneiska

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): flood plains

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Hydric soil: no

Ponding:

Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity pH



Sibley County, Minnesota

# 329--Chaska loam, occasionally flooded

### **Oshawa**

Extent: 5 percent of the unit

Landform(s): flood plains

Slope gradient:
Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI): Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: yes

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

рΗ

Sibley County, Minnesota

# 336--Delft clay loam

#### Delft

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines, swales on moraines Wind erodibility group (WEG): 4L Slope gradient: 1 to 3 percent Wind erodibility index (WEI): 86

Parent material: fine-loamy colluvium

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none

Hydric soil: yes

Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 10 in	clay loam	moderately slow	1.77 to 1.97 in	5.6 to 7.8
A 10 to 37 in	clay loam	moderate	5.16 to 5.98 in	5.6 to 7.8
Bg 37 to 45 in	clay loam	moderate	1.50 to 1.73 in	6.6 to 7.8
Ca 45 to 60 in	clay loam	moderate	2.24 to 2.84 in	7.4 to 8.4

### Clarion

Extent: 4 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

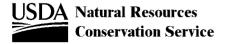
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Sibley County, Minnesota

# 336--Delft clay loam

#### Lester

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity pH

### Storden

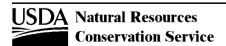
Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 386--Okoboji mucky silty clay loam

## Okoboji

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 4L

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 86

alluvium

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: C/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil pro	ofile: Texture	Permeability	capacity	pН
Ap,A 0 to 14	in mucky silty clay loam	moderate	3.12 to 3.54 in	6.1 to 7.8
Bg 14 to 49	in silty clay loam	moderately slow	6.24 to 6.93 in	6.6 to 7.8
Ca 49 to 60	in silty clay loam	moderately slow	1.98 to 2.20 in	6.6 to 8.4

#### Klossner

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:
Drainage class: Potential for frost action:

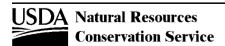
Representative soil profile:

Texture

Permeability

Available water capacity

pH



Sibley County, Minnesota

# 386--Okoboji mucky silty clay loam

## Harps

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### Canisteo

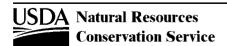
Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): rimsWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 463B--Minneiska loam, 1 to 4 percent slopes

#### Minneiska

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats on alluvial fans, hills on alluvial fans

Wind erodibility group (WEG): 4L

Slope gradient: 1 to 4 percent

Wind erodibility index (WEI): 86

Parent material: coarse-loamy alluvium

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A/D

Drainage class: moderately well drained Potential for frost action: moderate

Representative soil pro	file: Texture	Permeability	capacity	pН
Ap,A 0 to 12 i	n loam	moderately rapid	2.36 to 2.60 in	7.4 to 8.4
C 12 to 60 i	n stratified loamy sand to fine sandy loam	moderately rapid	6.24 to 8.65 in	7.4 to 8.4

### Terril

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile: Texture Permeability Available water capacity PH



Sibley County, Minnesota

## 463B--Minneiska loam, 1 to 4 percent slopes

#### Chaska

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): flood plains Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity pH

### Coland

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): flood plains Wind erodibility group (WEG):

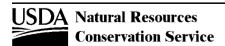
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 525--Muskego muck

## Muskego

Extent: 90 percent of the unit Soil loss tolerance (T factor): 1

Landform(s): depressions on moraines Wind erodibility group (WEG): 2

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 134

Parent material: mucky herbaceous organic material over Kw factor (surface layer)

coprogenic material

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Op,Oa 0 to 40 in	muck	moderately rapid	14.06 to 18.07 in	
C 40 to 60 in	coprogenous earth	slow	3.54 to 4.72 in	

#### Klossner

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 525--Muskego muck

## Harps

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### Canisteo

Extent: 2 percent of the unit Soil loss tolerance (T factor):

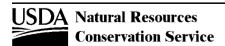
Landform(s): rimsWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

#### 539--Klossner muck

#### Klossner

Extent: 90 percent of the unit Soil loss tolerance (T factor): 1 Landform(s): depressions on moraines Wind erodibility group (WEG): 2 Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 134 Parent material: mucky herbaceous organic material over fine-Kw factor (surface layer) .02

loamy till

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative s	oil profile:	Texture	Permeability	Available water capacity	рН
Op,Oa 0	to 32 in	muck	moderately rapid	11.16 to 15.31 in	
2A 32	to 41 in	mucky silt loam	moderate	1.99 to 2.35 in	
2Cg 41	to 60 in	silty clay loam	moderate	3.40 to 4.16 in	

#### Glencoe

Extent: 5 percent of the unit Soil loss tolerance (T factor): Landform(s): depressions Wind erodibility group (WEG): Wind erodibility index (WEI): Slope gradient: Parent material: Kw factor (surface layer) Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: Flooding: Hydric soil: yes

Ponding: Hydrologic group: Drainage class: Potential for frost action:

Available water **Texture** Permeability рН Representative soil profile:



capacity

Sibley County, Minnesota

### 539--Klossner muck

## **Harps**

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims Wind erodibility group (WEG): Slope gradient: Wind erodibility index (WEI): Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Available water Texture Permeability рΗ Representative soil profile: capacity

### Canisteo

Extent: 2 percent of the unit Soil loss tolerance (T factor):

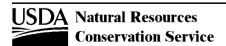
Wind erodibility group (WEG): Landform(s): rims Slope gradient: Wind erodibility index (WEI): Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes Ponding: Hydrologic group: Potential for frost action:

Drainage class:

Permeability Texture рН Representative soil profile: capacity



Sibley County, Minnesota

## 743--Glencoe clay loam, stratified substratum

### Glencoe, stratified substratum

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 48

Parent material: fine-loamy alluvium over sandy outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w
Flooding: none

Hydric soil: yes

Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 10 in	clay loam	moderate	1.77 to 2.17 in	6.1 to 7.8
A 10 to 26 in	clay loam	moderate	2.91 to 3.55 in	6.1 to 7.8
Bg 26 to 45 in	clay loam	moderate	3.40 to 4.16 in	6.1 to 7.8
Ca 45 to 60 in	stratified sand to silt loam	moderately rapid	1.05 to 2.54 in	6.1 to 7.8

### **Glencoe**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH



Sibley County, Minnesota

# 743--Glencoe clay loam, stratified substratum

## Mayer

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): rimsWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### Canisteo

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

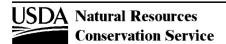
Wind erodibility index (WEI):

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 772F--Swanlake-Lasa complex, 18 to 65 percent slopes

#### **Swanlake**

Extent:55 percent of the unitSoil loss tolerance (T factor):5Landform(s):hills on morainesWind erodibility group (WEG):4LSlope gradient:18 to 65 percentWind erodibility index (WEI):86Parent material:fine-loamy tillKw factor (surface layer).24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 7e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 7 in	loam	moderate	1.42 to 1.70 in	7.4 to 8.4
C1 7 to 32 in	loam	moderate	4.22 to 4.71 in	7.4 to 8.4
C2 32 to 60 in	loam	moderate	4.75 to 5.31 in	7.4 to 8.4

#### Lasa

Extent: 35 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on moraines, stream terraces Wind erodibility group (WEG): 2

Slope gradient: 18 to 40 percent Wind erodibility index (WEI): 134

Parent material: sandy outwash Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 7e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: low

Representative soil profile:		Texture	Permeability	capacity	рН
Α	0 to 9 in	loamy fine sand	moderately rapid	0.91 to 1.09 in	5.6 to 7.3
Bw,Bt	9 to 27 in	fine sand	moderately rapid	1.24 to 1.59 in	6.1 to 7.3
C	27 to 60 in	stratified fine sand to loamy fine sand	rapid	1.98 to 2.65 in	6.1 to 7.3



Available water

Sibley County, Minnesota

# 772F--Swanlake-Lasa complex, 18 to 65 percent slopes

### Delft

Extent: 10 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Sibley County, Minnesota

## 887B--Clarion-Swanlake complex, 3 to 6 percent slopes

#### Clarion

Extent: 60 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 3 to 5 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар,А	0 to 12 in	loam	moderate	2.36 to 2.60 in	5.6 to 7.3
Bw 1:	2 to 44 in	loam	moderate	5.49 to 6.13 in	5.6 to 7.8
C 4	4 to 60 in	loam	moderate	2.68 to 2.99 in	7.4 to 8.4

### **Swanlake**

Extent: 30 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 3 to 6 percent

Wind erodibility index (WEI): 86

Parent material: fine-loamy till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil	l profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to	8 in loam		moderate	1.57 to 1.89 in	7.4 to 8.4
C1 8 to	41 in loam		moderate	5.62 to 6.28 in	7.4 to 8.4
C2 41 to	60 in loam		moderate	3.21 to 3.59 in	7.4 to 8.4



Sibley County, Minnesota

## 887B--Clarion-Swanlake complex, 3 to 6 percent slopes

#### Webster

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### **Nicollet**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

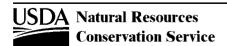
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 919--Canisteo-Mayer complex

#### Canisteo

Extent: 50 percent of the unit

Landform(s): rims on depressions on moraines, flats on

moraines

Slope gradient: 0 to 2 percent Parent material: fine-loamy till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86 Kw factor (surface layer) .15 Land capability, nonirrigated: 2w

Hydric soil: yes Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 18 in	clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bg1 18 to 26 in	clay loam	moderate	1.18 to 1.50 in	7.4 to 8.4
Bg2 26 to 36 in	clay loam	moderate	1.18 to 1.77 in	7.4 to 8.4
Cg 36 to 60 in	clay loam	moderate	3.36 to 3.84 in	7.4 to 8.4

#### Mayer

Extent: 40 percent of the unit

Landform(s): rims on depressions on moraines, flats on

moraines

Slope gradient: 0 to 2 percent

Parent material: fine-loamy alluvium over sandy outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3 Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated: 2w

Hydric soil: yes Hydrologic group: B/D

Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	capacity	рН
Ap,A	0 to 16 in	loam	moderate	3.23 to 3.55 in	7.4 to 8.4
Bg	16 to 35 in	loam	moderate	3.78 to 4.16 in	7.4 to 8.4
2Cg	35 to 60 in	gravelly sand	rapid	0.50 to 0.99 in	7.4 to 8.4



Sibley County, Minnesota

## 919--Canisteo-Mayer complex

#### Glencoe

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### **Nicollet**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): rises

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Wind erodibility index (WEI):

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

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Drainage class: Potential for frost action:

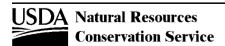
Representative soil profile:

Texture

Permeability

Available water capacity

pH



Sibley County, Minnesota

## 920B--Clarion-Hawick complex, 3 to 6 percent slopes

#### Clarion

Extent: 55 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 3 to 5 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 17 in	loam	moderate	3.39 to 3.72 in	5.6 to 7.3
Bw	17 to 29 in	clay loam	moderate	2.07 to 2.32 in	5.6 to 7.8
C	29 to 60 in	loam	moderate	5.22 to 5.83 in	7.4 to 8.4

### **Hawick**

Extent: 35 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 3 to 6 percent

Wind erodibility index (WEI): 86

Parent material: sandy and gravelly outwash

Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profile	e: Texture	Permeability	capacity	рН
Ap 0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	6.1 to 7.8
Bw 9 to 15 in	gravelly coarse sand	rapid	0.18 to 0.59 in	6.1 to 7.8
C 15 to 60 in	gravelly coarse sand	very rapid	0.90 to 2.69 in	7.4 to 8.4



Sibley County, Minnesota

## 920B--Clarion-Hawick complex, 3 to 6 percent slopes

#### Webster

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG): Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### **Nicollet**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

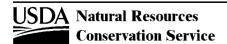
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 920C2--Clarion-Hawick-Storden complex, 6 to 12 percent slopes, eroded

### Clarion, eroded

Extent: 35 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	capacity	pН
Ap 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bw 7 to 25 in	loam	moderate	3.08 to 3.44 in	5.6 to 7.3
C 25 to 60 in	loam	moderate	5.89 to 6.58 in	7.4 to 8.4

### Hawick, eroded

Extent: 30 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: sandy and gravelly outwash

Kw factor (surface layer) .17

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative so	il profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to	o 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw 7 to	o 14 in	gravelly coarse sand	rapid	0.21 to 0.71 in	6.1 to 7.8
C 14 to	60 in	gravelly coarse sand	very rapid	0.91 to 2.74 in	7.4 to 8.4



A collecte contact

Sibley County, Minnesota

# 920C2--Clarion-Hawick-Storden complex, 6 to 12 percent slopes, eroded

## Storden, eroded

Extent: 25 percent of the unit

Landform(s): hills on moraines

Wind erodibility group (WEG): 4L

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: fine-loamy till

Restrictive feature(s): greater than 60 inches

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Kw factor (surface layer) .28

Land capability, nonirrigated: 3e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	capacity	pН
Ap 0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
C1 8 to 26 in	loam	moderate	2.72 to 3.44 in	7.4 to 8.4
C2 26 to 60 in	loam	moderate	5 08 to 6 43 in	7.4 to 8.4

### **Terril**

Extent: 5 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Wind erodibility index (WEI):

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Flooding:

Hydric soil: no

Ponding: Hydrologic group:
Drainage class: Potential for frost action:

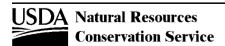
Representative soil profile:

Texture

Permeability

Available water capacity

pH



Sibley County, Minnesota

# 920C2--Clarion-Hawick-Storden complex, 6 to 12 percent slopes, eroded

### Delft

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### **Nicollet**

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

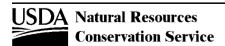
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 921C2--Clarion-Storden complex, 6 to 12 percent slopes, eroded

### Clarion, eroded

Extent: 55 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 9 in	loam	moderate	1.81 to 1.99 in	5.6 to 7.3
Bw	9 to 26 in	loam	moderate	2.88 to 3.22 in	5.6 to 7.3
C 2	26 to 60 in	loam	moderate	5.76 to 6.43 in	7.4 to 8.4

#### Storden, eroded

Extent: 35 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: fine-loamy till

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none

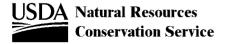
Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
C1	8 to 47 in	loam	moderate	5.85 to 7.41 in	7.4 to 8.4
C2 4	47 to 60 in	loam	moderate	1.95 to 2.47 in	7.4 to 8.4



Sibley County, Minnesota

# 921C2--Clarion-Storden complex, 6 to 12 percent slopes, eroded

### **Terril**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Farent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### Delft

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

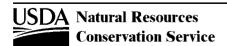
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 921C2--Clarion-Storden complex, 6 to 12 percent slopes, eroded

### **Nicollet**

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 944B--Lester-Hawick complex, 2 to 6 percent slopes

#### Lester

Extent: 55 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 5 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 10 in	loam	moderate	1.97 to 2.17 in	5.6 to 7.3
Bt 10 to 52 in	clay loam	moderate	6.32 to 8.00 in	5.6 to 7.3
C 52 to 60 in	loam	moderate	1 10 to 1 42 in	7.4 to 7.8

### **Hawick**

Extent: 35 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: sandy and gravelly outwash

Kw factor (surface layer) .17

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 12 in	sandy loam	moderately rapid	1.54 to 1.77 in	6.1 to 7.8
Bw	12 to 48 in	sand	rapid	1.09 to 3.62 in	6.1 to 7.8
C 4	48 to 60 in	coarse sand	very rapid	0.24 to 0.71 in	7.4 to 8.4



Sibley County, Minnesota

## 944B--Lester-Hawick complex, 2 to 6 percent slopes

#### Cordova

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### Le Sueur

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 944C2--Lester-Hawick-Swanlake complex, 6 to 12 percent slopes, eroded

### Lester, eroded

Extent: 45 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:		Texture	Permeability	capacity	рН
Ap 0 to	8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to	34 in	clay loam	moderate	3.90 to 4.94 in	5.1 to 7.3
C 34 to	60 in	loam	moderate	3.64 to 4.94 in	7.4 to 8.4

### Hawick, eroded

Extent:30 percent of the unitSoil loss tolerance (T factor):5Landform(s):hills on morainesWind erodibility group (WEG):3Slope gradient:6 to 12 percentWind erodibility index (WEI):86Parent material:sandy and gravelly outwashKw factor (surface layer).17

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil pro	ofile: Texture	Permeability	capacity	рН
Ap 0 to 9 i	n sandy loam	moderately rapid	1.18 to 1.36 in	6.1 to 7.8
Bw 9 to 42	in gravelly coarse sand	rapid	0.99 to 3.31 in	6.1 to 7.8
C 42 to 60	in gravelly coarse sand	very rapid	0.35 to 1.06 in	7.4 to 8.4



A collecte contact

Sibley County, Minnesota

## 944C2--Lester-Hawick-Swanlake complex, 6 to 12 percent slopes, eroded

### Swanlake, eroded

Extent: 15 percent of the unit

Landform(s): hills on moraines

Wind erodibility group (WEG): 4L

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: fine-loamy till

Restrictive feature(s): greater than 60 inches

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 7 in	loam	moderate	1.42 to 1.70 in	7.4 to 8.4
C1 7 to 29 in	loam	moderate	3.75 to 4.19 in	7.4 to 8.4
C2 29 to 60 in	loam	moderate	5.22 to 5.83 in	7.4 to 8.4

### **Terril**

Extent: 5 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Wind erodibility index (WEI):

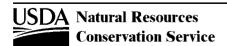
Kw factor (surface layer)

Land capability, nonirrigated:

Flooding:

Hydric soil: no

Ponding: Hydrologic group:
Drainage class: Potential for frost action:



Sibley County, Minnesota

## 944C2--Lester-Hawick-Swanlake complex, 6 to 12 percent slopes, eroded

### Delft

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### Le Sueur

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

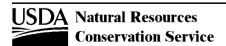
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

## 945D2--Lester-Storden complex, 12 to 18 percent slopes, eroded

### Lester, eroded

Extent: 55 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 12 to 18 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile	: Texture	Permeability	Available water capacity	рН
Ар	0 to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt	8 to 34 in	clay loam	moderate	3.90 to 4.94 in	5.1 to 7.3
C 3	34 to 60 in	loam	moderate	3.64 to 4.94 in	7.4 to 8.4

#### Storden, eroded

Extent: 35 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 12 to 18 percent

Wind erodibility index (WEI): 86

Parent material: fine-loamy till

Kw factor (surface layer) .28

Land conshility popirioted: 46

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4e

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil pr	ofile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 7 i	in loam		moderate	1.42 to 1.56 in	7.4 to 8.4
C 7 to 60	in loam		moderate	7.91 to 10.02 in	7.4 to 8.4



Sibley County, Minnesota

# 945D2--Lester-Storden complex, 12 to 18 percent slopes, eroded

#### Delft

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

#### **Terril**

Extent: 3 percent of the unit Soil loss tolerance (T factor):

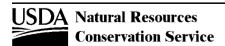
Landform(s): moraines Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 945D2--Lester-Storden complex, 12 to 18 percent slopes, eroded

### Le Sueur

Drainage class:

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group:

Representative soil profile:

Texture

Permeability

Available water capacity

PH

Potential for frost action:



Sibley County, Minnesota

# 945F--Lester-Storden complex, 18 to 65 percent slopes

#### Lester

Extent: 70 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 18 to 50 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 7e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile	: Texture	Permeability	capacity	рН
A 0 to 9 in	loam	moderate	1.81 to 1.99 in	5.6 to 7.3
Bt 9 to 35 in	clay loam	moderate	3.90 to 4.94 in	5.1 to 7.3
C 35 to 60 in	loam	moderate	3.47 to 4.71 in	7.4 to 8.4

### Storden

Extent: 20 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 18 to 65 percent

Wind erodibility index (WEI): 86

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 7e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Α	0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
C1	8 to 26 in	loam	moderate	2.72 to 3.44 in	7.4 to 8.4
C2	26 to 60 in	loam	moderate	5.08 to 6.43 in	7.4 to 8.4



A collecte contact

Sibley County, Minnesota

# 945F--Lester-Storden complex, 18 to 65 percent slopes

#### Delft

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity pH

### Terril

Extent: 5 percent of the unit Soil loss tolerance (T factor):

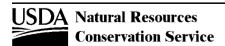
Landform(s): moraines Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 946--Nicollet-Linder complex

#### **Nicollet**

Extent: 55 percent of the unit

Landform(s): rises on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .17

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 1

Flooding: none Hydric soil: no

Ponding: none Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 11 in	loam	moderate	1.87 to 2.43 in	5.6 to 7.3
Bw 11 to 21 in	loam	moderate	1.48 to 1.87 in	5.6 to 7.8
C 21 to 60 in	loam	moderate	5 46 to 7 41 in	7.4 to 8.4

### Linder

Extent: 35 percent of the unit

Landform(s): flats on moraines

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 12 in	loam	moderate	2.36 to 2.60 in	5.6 to 7.8
Bw 1	2 to 26 in	sandy loam	moderately rapid	2.13 to 2.41 in	6.1 to 7.8
2C 2	26 to 60 in	sand	very rapid	0.68 to 1.35 in	7.4 to 8.4



Sibley County, Minnesota

# 946--Nicollet-Linder complex

### Webster

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

# **Biscay**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

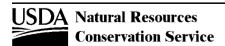
Landform(s): drainageways Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 956--Canisteo-Glencoe complex

### Canisteo

Extent: 60 percent of the unit

Landform(s): rims on depressions on moraines, flats on

moraines

Slope gradient: 0 to 2 percent Parent material: fine-loamy till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86 Kw factor (surface layer) .15 Land capability, nonirrigated: 2w

Hydric soil: yes Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 16 in	clay loam	moderate	2.91 to 3.55 in	7.4 to 8.4
Bg1 16 to 23 in	clay loam	moderate	1.00 to 1.27 in	7.4 to 8.4
Bg2 23 to 35 in	clay loam	moderate	1.46 to 2.20 in	7.4 to 8.4
Ca 35 to 60 in	clay loam	moderate	3.47 to 3.97 in	7.4 to 8.4

#### **Glencoe**

Extent: 30 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: fine-loamy alluvium

Restrictive feature(s): greater than 60 inches

Flooding: none
Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 6 Wind erodibility index (WEI): 48

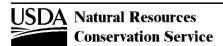
Kw factor (surface layer) .24
Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil	profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to	12 in c	clay loam	moderate	2.13 to 2.60 in	6.1 to 7.8
A 12 to	33 in c	clay loam	moderate	3.83 to 4.68 in	6.1 to 7.8
Bg 33 to	43 in c	clay loam	moderate	1.48 to 1.87 in	6.6 to 7.8
Ca 43 to	60 in 0	lav loam	moderate	2.54 to 3.22 in	6.6 to 7.8



Sibley County, Minnesota

# 956--Canisteo-Glencoe complex

# Crippen

Extent: 10 percent of the unit Soil loss tolerance (T factor):

Landform(s): risesWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:
Drainage class: Potential for frost action:



Sibley County, Minnesota

# 978--Cordova-Rolfe complex

### Cordova

Extent: 75 percent of the unit

Landform(s): flats on moraines, swales on moraines

Slope gradient: 0 to 2 percent Parent material: fine-loamy till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48

Kw factor (surface layer) .28 Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Aveilable water

Representative soil profile:	Texture	Permeability	capacity	рН
Ap,A 0 to 13 in	clay loam	moderately slow	2.34 to 2.86 in	6.1 to 7.3
Btg 13 to 27 in	clay loam	moderately slow	2.07 to 2.62 in	5.1 to 6.5
Cg 27 to 60 in	clay loam	moderate	4.63 to 5.29 in	7.4 to 8.4

### Rolfe

Extent: 20 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: clayey alluvium over fine-loamy till

Restrictive feature(s): greater than 60 inches

Flooding: none
Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .37

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 13 in	silt loam	moderate	2.86 to 3.12 in	5.1 to 7.3
Btg	13 to 43 in	silty clay	slow	3.29 to 3.89 in	6.1 to 7.3
2C 4	43 to 60 in	loam	moderate	2.37 to 2.71 in	6.1 to 8.4



Sibley County, Minnesota

# 978--Cordova-Rolfe complex

#### Le Sueur

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH

# 1016--Udorthents, loamy

### Udorthents, loamy

Extent: 100 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 4L

Slope gradient: 0 to 30 percent

Wind erodibility index (WEI): 86

Parent material: fine-loamy till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:

Texture

Permeability

Available water capacity pH

C1 -- 0 to 60 in clay loam moderate 7.18 to 10.77 in 6.6 to 9.0 C2 -- 60 to 80 in loam moderately rapid 2.01 to 3.21 in 6.6 to 9.0



Sibley County, Minnesota

# 1030--Udorthents-Pits, gravel, complex

#### **Udorthents**

Extent: 50 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines, stream terraces Wind erodibility group (WEG):

Slope gradient: 0 to 50 percent Wind erodibility index (WEI):

Parent material: sandy and gravelly outwash

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: none

Hydric soil:

Ponding: none

Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH

# Pits, gravel

Extent: 40 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines, stream terraces Wind erodibility group (WEG):

Slope gradient: 0 to 50 percent Wind erodibility index (WEI):

Parent material: sandy and gravelly outwash

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: none Hydric soil:

Ponding: none Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 1030--Udorthents-Pits, gravel, complex

# **Biscay**

Extent: 10 percent of the unit

Landform(s): depressions

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

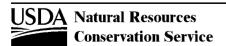
Parent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:
Drainage class: Potential for frost action:



Sibley County, Minnesota

# 1075--Klossner and Muskego soils, ponded

# Klossner, ponded

Extent: 45 percent of the unit

Landform(s): depressions on moraines

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 0

Parent material: mucky herbaceous organic material over fine
Kw factor (surface layer) .02

loamy till

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa 0 to 38 in	muck	moderately rapid	13.23 to 17.01 in	
2A 38 to 60 in	clav loam	moderate	3.09 to 4.85 in	

### Muskego, ponded

Extent: 45 percent of the unit

Landform(s): depressions on moraines

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 0

Parent material: mucky herbaceous organic material over Kw factor (surface layer)

coprogenic material

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes

Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa 0 to 39 in	muck	moderately rapid	13.64 to 17.54 in	
C 39 to 60 in	coprogenous earth	moderate	3.76 to 5.01 in	



Sibley County, Minnesota

# 1075--Klossner and Muskego soils, ponded

# Harps

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): rims

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Parent material:

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### Canisteo

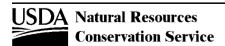
Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): rimsWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 1081--Minneiska-Abscota complex, occasionally flooded

# Minneiska, occasionally flooded

Extent: 70 percent of the unit

Landform(s): flats on flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: coarse-loamy alluvium

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: occasional Hydric soil: no
Ponding: none Hydrologic group: A/D

Drainage class: moderately well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	capacity	рН
Ap	0 to 9 in	fine sandy loam	moderately rapid	1.36 to 1.63 in	7.4 to 8.4
C	9 to 60 in	stratified loamy fine sand to fine sandy loam to silt loam	moderately rapid	6.60 to 9.14 in	7.4 to 8.4

### Abscota, occasionally flooded

Extent: 20 percent of the unit

Landform(s): flats on flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 134

Parent material: sandy alluvium

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Hydric soil: no

Ponding: none Hydrologic group: A/D

Drainage class: moderately well drained Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 8 in	loamy fine sand	rapid	0.79 to 0.94 in	6.1 to 7.3
C	8 to 60 in	stratified fine sand to loamy fine sand	rapid	2.60 to 5.72 in	6.1 to 7.8



. . . . . .

Sibley County, Minnesota

# 1081--Minneiska-Abscota complex, occasionally flooded

#### **Oshawa**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): flood plains

Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### Chaska

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): flood plains Wind erodibility group (WEG):

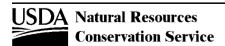
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 1081--Minneiska-Abscota complex, occasionally flooded

### Kalmarville

Extent: 2 percent of the unit Soil loss tolerance (T factor):

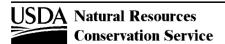
Landform(s): flood plains Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:
Drainage class: Potential for frost action:



Sibley County, Minnesota

# 1093--Webster-Biscay complex

#### Webster

Extent: 55 percent of the unit

Landform(s): flats on moraines, swales on moraines

Slope gradient: 0 to 2 percent Parent material: fine-loamy till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 21 in	clay loam	moderate	3.96 to 4.38 in	6.6 to 7.3
Bg 21 to 35 in	clay loam	moderate	2.27 to 2.55 in	6.6 to 7.8
Ca 35 to 60 in	loam	moderate	3.47 to 4.71 in	7.4 to 8.4

### **Biscay**

Extent: 40 percent of the unit

Landform(s): flats on moraines, swales

Slope gradient: 0 to 2 percent

Parent material: loamy outwash over sandy outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3
Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86
Kw factor (surface layer) .24
Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 16 in	clay loam	moderate	3.23 to 3.55 in	6.1 to 7.8
Bg 1	16 to 35 in	clay loam	moderate	3.21 to 3.59 in	6.6 to 7.8
2Cg 3	35 to 60 in	sand	rapid	0.50 to 0.99 in	7.4 to 8.4



Sibley County, Minnesota

# 1093--Webster-Biscay complex

#### Glencoe

Extent: 3 percent of the unit Soil loss tolerance (T factor):

Landform(s): depressions Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### **Nicollet**

Extent: 2 percent of the unit Soil loss tolerance (T factor):

Landform(s): risesWind erodibility group (WEG):Slope gradient:Wind erodibility index (WEI):Parent material:Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: Hydric soil: no

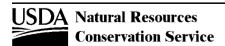
Ponding: Hydrologic group:

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Prainage aloga:

Prainage aloga:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 1356--Water, miscellaneous

# Water, miscellaneous

Extent: 100 percent of the unit Soil loss tolerance (T factor):

Landform(s): Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil:

Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Sibley County, Minnesota

# 1833--Coland clay loam, occasionally flooded

# Coland, occasionally flooded

Extent: 90 percent of the unit

Landform(s): flats on flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy alluvium

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: occasional Hydric soil: yes

Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	pН
Ap 0 to 10 in	clay loam	moderate	1.97 to 2.17 in	6.1 to 7.3
A 10 to 40 in	clay loam	moderate	6.06 to 6.67 in	6.1 to 7.3
Ca 40 to 60 in	sandy loam	moderately rapid	2.56 to 3.35 in	6.1 to 7.8

#### **Oshawa**

Extent: 5 percent of the unit

Landform(s): flood plains

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Wind erodibility index (WEI):

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

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Drainage class: Potential for frost action:

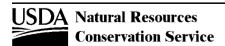
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Sibley County, Minnesota

# 1833--Coland clay loam, occasionally flooded

### Minneiska

Extent: 5 percent of the unit Landform(s): flood plains

Slope gradient: Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):
Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: no Hydrologic group:

Potential for frost action:

Representative soil profile: Texture

Permeability

Available water capacity

рΗ

Sibley County, Minnesota

# 1834--Coland clay loam, frequently flooded

# Coland, frequently flooded

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats on flood plains, meanders on flood plains

Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy alluvium

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 5w

Flooding: frequent

Hydric soil: yes

Ponding: none

Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A 0 to 10 in	clay loam	moderate	1.97 to 2.17 in	6.1 to 7.3
ACg 10 to 48 in	silty clay loam	moderate	7.64 to 8.40 in	6.1 to 7.3
Ca 48 to 60 in	stratified loamy fine sand to loam	moderately rapid	1.54 to 2.01 in	6.1 to 7.8

#### **Oshawa**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): flood plains Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# 1834--Coland clay loam, frequently flooded

### Minneiska

Extent: 5 percent of the unit

Landform(s): flood plains

Slope gradient:
Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):
Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil: no Hydrologic group:

Potential for frost action:

Representative soil profile: Texture

Permeability

Available water capacity

рΗ

Sibley County, Minnesota

# 1901B--Lester-Le Sueur complex, 1 to 6 percent slopes

#### Lester

Extent: 50 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 9 in	loam	moderate	1.81 to 1.99 in	5.6 to 7.3
Bt 9 to 41 in	clay loam	moderate	4.78 to 6.06 in	5.6 to 7.3
C 41 to 60 in	loam	moderate	2.65 to 3.40 in	7.4 to 7.8

#### Le Sueur

Extent: 40 percent of the unit

Landform(s): flats on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 1 to 4 percent

Wind erodibility index (WEI): 48

Parent material: fine-loamy till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 1

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: B/D

Drainage class: moderately well drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 10 in	clay loam	moderate	1.67 to 1.97 in	5.6 to 7.3
Bt 1	10 to 30 in	clay loam	moderate	3.01 to 3.81 in	5.1 to 7.3
C 3	30 to 60 in	clay loam	moderate	4.49 to 5.69 in	7.4 to 8.4



Available water

Sibley County, Minnesota

# 1901B--Lester-Le Sueur complex, 1 to 6 percent slopes

### Cordova

Extent: 10 percent of the unit Soil loss tolerance (T factor):

Landform(s): drainageways

Wind erodibility group (WEG):

Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Sibley County, Minnesota

# 1999--Minneiska-Kalmarville complex, frequently flooded

# Minneiska, frequently flooded

Extent: 55 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 2 percent

Parent material: coarse-loamy alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86
Kw factor (surface layer) .20

Land capability, nonirrigated: 5w

Hydric soil: no

Hydrologic group: A/D

Potential for frost action: moderate

Available water

Representative soil p	orofile:	Texture	Permeability	capacity	рН
A 0 to 6	S in	sandy loam	moderately rapid	0.89 to 1.06 in	7.4 to 8.4
C 6 to 6		stratified sand to loamy sand to sandy loam to silt loam	moderately rapid	7.01 to 9.71 in	7.4 to 8.4

## Kalmarville, frequently flooded

Extent: 35 percent of the unit

Landform(s): channels on flood plains

Slope gradient: 0 to 1 percent

Parent material: coarse-loamy alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 4 Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86 Kw factor (surface layer) .32

Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Available water

Representativ	e soil profile:	Texture	Permeability	capacity	рН
A1	0 to 6 in	loam	moderate	1.18 to 1.42 in	6.6 to 7.8
A2	6 to 54 in	stratified fine sand to fine sandy loam to silt loam	moderately rapid	6.24 to 8.65 in	6.6 to 7.8
2C	54 to 60 in	loamy fine sand	rapid	0.35 to 0.53 in	6.6 to 7.8



Sibley County, Minnesota

# 1999--Minneiska-Kalmarville complex, frequently flooded

#### **Oshawa**

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): flood plains

Wind erodibility group (WEG):

Slope gradient:

Wind erodibility index (WEI):

Wind erodibility index (WEI):

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: yes
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

### Chaska

Extent: 5 percent of the unit Soil loss tolerance (T factor):

Landform(s): flood plains Wind erodibility group (WEG):

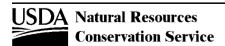
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil: no
Ponding: Hydrologic group:

Drainage class: Potential for frost action:



Sibley County, Minnesota

# L13A--Klossner muck, depressional, 0 to 1 percent slopes

### Klossner, drained

Extent: 65 to 85 percent of the unit

Soil loss tolerance (T factor): 1

Landform(s): depressions on moraines Wind erodibility group (WEG): 2

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 134

Parent material: mucky herbaceous organic material over Kw factor (surface layer) .02

Parent material: mucky herbaceous organic material over Kw factor (surface layer) .02 loamy glaciofluvial deposits

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Op 0 to 10 in	muck	moderately rapid	3.44 to 4.72 in	
Oa 10 to 26 in	muck	moderately rapid	5.65 to 7.75 in	
2A1 26 to 36 in	mucky silty clay loam	moderate	2.17 to 2.56 in	
2A2 36 to 48 in	silty clay loam	moderate	2.20 to 2.69 in	
2Cq 48 to 80 in	loam	moderate	4.78 to 6.06 in	

Sibley County, Minnesota

# L83A--Webster clay loam, 0 to 2 percent slopes

#### Webster

Extent: 50 to 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): flats on moraines, swales on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .24
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Flooding: none

Hydric soil: yes

Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Available water Permeability Representative soil profile: **Texture** На capacity Ap,A -- 0 to 19 in 3.59 to 3.97 in 6.6 to 7.3 clay loam moderate Bg -- 19 to 26 in clay loam moderate 1.13 to 1.28 in 6.6 to 7.8 BCg,Cg -- 26 to 60 in loam moderate 5.08 to 6.43 in 7.4 to 8.4

# L84A--Glencoe clay loam, depressional, 0 to 1 percent slopes

#### Glencoe, depressional

Ponding: none

Extent: 75 to 100 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .24
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 24 in	clay loam	moderate	4.32 to 5.28 in	6.1 to 7.8
ABg 24 to 35 in	clay loam	moderate	1.98 to 2.43 in	6.1 to 7.8
Bg 35 to 48 in	loam	moderate	1.95 to 2.47 in	6.6 to 7.8
Ca 48 to 60 in	loam	moderate	1.77 to 2.24 in	7.4 to 8.4



Sibley County, Minnesota

# L85A--Nicollet clay loam, 1 to 3 percent slopes

### **Nicollet**

Extent: 70 to 95 percent of the unit

Landform(s): flats on moraines, rises on moraines

Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48
Kw factor (surface layer) .24

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

Representative soil profil	e: Texture	Permeability	Available water capacity	рН
Ap,A 0 to 17 in	clay loam	moderate	2.88 to 3.72 in	5.6 to 7.3
Bw,Bg 17 to 33 in	clay loam	moderate	2.42 to 3.07 in	5.6 to 7.3
BCg 33 to 36 in	clay loam	moderate	0.41 to 0.52 in	7.4 to 8.4
Ca 36 to 60 in	loam	moderate	3.60 to 4.56 in	7.4 to 8.4

Sibley County, Minnesota

# L107A--Canisteo-Glencoe, depressional complex, 0 to 2 percent slopes

### Canisteo

Extent: 30 to 70 percent of the unit Landform(s): rims on moraines Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 4L
Wind erodibility index (WEI): 86
Kw factor (surface layer) .24
Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap,A 0 to 18 in	clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bkg 18 to 39 in	loam	moderate	2.50 to 3.76 in	7.4 to 8.4
Ca 39 to 80 in	loam	moderate	6.14 to 7.78 in	7.4 to 8.4

### Glencoe, depressional

Extent: 15 to 55 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none
Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 10 in	clay loam	moderate	1.77 to 2.17 in	6.1 to 7.8
A,ABg 10 to 35 in	clay loam	moderate	4.54 to 5.54 in	6.1 to 7.8
Bg 35 to 48 in	loam	moderate	1.95 to 2.47 in	6.6 to 7.8
Cg 48 to 60 in	loam	moderate	1.77 to 2.24 in	7.4 to 8.4



Sibley County, Minnesota

# L163A--Okoboji silty clay loam, depressional, 0 to 1 percent slopes

# Okoboji, depressional

Extent: 70 to 95 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): depressions on lake plains, depressions on Wind erodibility group (WEG): 4L

moraines

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 86

Parent material: lacustrine sediments over till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: C/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile	Texture	Permeability	capacity	pН
Ap,A 0 to 26 in	silty clay loam	moderately slow	5.46 to 5.98 in	6.1 to 7.8
Bg 26 to 42 in	silty clay	moderately slow	2.91 to 3.23 in	6.6 to 7.8
Ca 42 to 60 in	silty clay loam	moderately slow	3.19 to 3.54 in	6.6 to 8.4

### W--Water

#### Water

Extent: 100 percent of the unit Soil loss tolerance (T factor):

Landform(s): Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Hydric soil:

Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity pH



L Available water

Sibley County, Minnesota

This report provides a semitabular listing of some soil and site properties and interpretations that are valuable in communicating the concept of a map unit. The report also provides easy access to the commonly used conservation planning information in one place. The major soil components in each map unit are displayed. Minor components may be displayed if they are included in the database and are selected at the time the report is generated.

